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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/843,150

DATE: 08/07/2001

TIME: 10:20:19

Input Set : A:\65691219.app

Output Set: N:\CRF3\08072001\I843150.raw

3 <110> APPLICANT: CHAMBON, PIERRE
4 GHYSELINCK, NORBERT B.
5 SCHNUTGEN, FRANK
7 <120> TITLE OF INVENTION: METHOD FOR THE STABLE INVERSION OF DNA SEQUENCE BY
8 SITE-SPECIFIC RECOMBINATION AND DNA VECTORS AND
9 TRANSGENIC CELLS THEREOF
11 <130> FILE REFERENCE: 065691/0219
13 <140> CURRENT APPLICATION NUMBER: 09/843,150
14 <141> CURRENT FILING DATE: 2001-04-30
16 <160> NUMBER OF SEQ ID NOS: 56
18 <170> SOFTWARE: PatentIn Ver. 2.1
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 60
22 <212> TYPE: DNA
23 <213> ORGANISM: Artificial sequence ✓
25 <220> FEATURE:
26 <223> OTHER INFORMATION: Description of Artificial sequence: R1 ✓
27 synthetic oligonucleotide
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35 <212> TYPE: DNA
36 <213> ORGANISM: Artificial sequence
38 <220> FEATURE:
39 <223> OTHER INFORMATION: Description of Artificial sequence: R2
40 synthetic oligonucleotide
42 <400> SEQUENCE: 2
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47 <211> LENGTH: 61
48 <212> TYPE: DNA
49 <213> ORGANISM: Artificial sequence ✓
51 <220> FEATURE:
52 <223> OTHER INFORMATION: Description of Artificial sequence: R3 ✓
53 synthetic oligonucleotide
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60 <210> SEQ ID NO: 4
61 <211> LENGTH: 61
62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial sequence
65 <220> FEATURE:
66 <223> OTHER INFORMATION: Description of Artificial sequence: R4
67 synthetic oligonucleotide
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70 aattcgataa cttcgtataa tgtatactat acgaagttat gggtcgatgg tgatgcttgg 60
71 c 61
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76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Description of Artificial sequence: R5
81     synthetic oligonucleotide
83 <400> SEQUENCE: 5
84 ctagtggatc cgataacttc gtataatgta tgctatacga agttatccaa gcatcaccat 60
85 cgaccct 67
88 <210> SEQ ID NO: 6
89 <211> LENGTH: 67
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Description of Artificial sequence: R6
95     synthetic oligonucleotide
97 <400> SEQUENCE: 6
98 ctagagggtc gatggatgatg cttggataac ttcgtatagc atacattata cgaagttatc 60
99 ggatcca 67
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103 <211> LENGTH: 60
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Description of Artificial sequence: R7
109     synthetic oligonucleotide
111 <400> SEQUENCE: 7
112 ctagtccaga tctcaccatc gaccataac ttcgtataat gtatactata cgaagttatt 60
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116 <211> LENGTH: 60
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Description of Artificial sequence: R8
122     synthetic oligonucleotide
124 <400> SEQUENCE: 8
125 ctagaataac ttcgtatagc atacattata cgaagttatg ggtcgatggt gagatctgga 60
128 <210> SEQ ID NO: 9
129 <211> LENGTH: 28
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Description of Artificial sequence: R9
135     synthetic oligonucleotide
137 <400> SEQUENCE: 9
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143 <212> TYPE: DNA
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147 <223> OTHER INFORMATION: Description of Artificial sequence: R10
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151 ggggaattcc catggtgagc aagggcgagg ag                               32
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155 <211> LENGTH: 46
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: Description of Artificial sequence: R11
161     synthetic oligonucleotide
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164 ctatcagggc gatggccac tacgtgttct gaggcggaaa gaacca               46
167 <210> SEQ ID NO: 12
168 <211> LENGTH: 47
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Description of Artificial sequence: R12
174     synthetic oligonucleotide
176 <400> SEQUENCE: 12
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182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Description of Artificial sequence: Synthetic
187     oligonucleotide
189 <400> SEQUENCE: 13
190 gtgcatctgc cagtttgagg                                           20
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194 <211> LENGTH: 17
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial sequence: Synthetic
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203 aatacgactc actatag                                              17
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207 <211> LENGTH: 40
208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial sequence

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211 <220> FEATURE:
212 <223> OTHER INFORMATION: Description of Artificial sequence: G1
213     synthetic oligonucleotide
215 <400> SEQUENCE: 15
216 ggccgcataa cttcgtataa tgtatgctat acgaagttat
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224 <220> FEATURE:
225 <223> OTHER INFORMATION: Description of Artificial sequence: G2
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232 <210> SEQ ID NO: 17
233 <211> LENGTH: 50
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Description of Artificial sequence: G3
239     synthetic oligonucleotide
241 <400> SEQUENCE: 17
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245 <210> SEQ ID NO: 18
246 <211> LENGTH: 50
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial sequence
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251 <223> OTHER INFORMATION: Description of Artificial sequence: G4
252     synthetic oligonucleotide
254 <400> SEQUENCE: 18
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258 <210> SEQ ID NO: 19
259 <211> LENGTH: 64
260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Description of Artificial sequence: G5
265     synthetic oligonucleotide
267 <400> SEQUENCE: 19
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269 tcta
272 <210> SEQ ID NO: 20
273 <211> LENGTH: 64
274 <212> TYPE: DNA
275 <213> ORGANISM: Artificial sequence
277 <220> FEATURE:
278 <223> OTHER INFORMATION: Description of Artificial sequence: G6
279     synthetic oligonucleotide

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281 <400> SEQUENCE: 20
282 ctagtagaca tgataagata acattgatga gtctagagcg gaattccgga aaactttatc 60
283 cata 64
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287 <211> LENGTH: 64
288 <212> TYPE: DNA
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291 <220> FEATURE:
292 <223> OTHER INFORMATION: Description of Artificial sequence: G7
293     synthetic oligonucleotide
295 <400> SEQUENCE: 21
296 gctacgtaat aacttcgtat aatgtatact atacgaagtt atgggtcgat ggtgagatct 60
297 ccgc 64
300 <210> SEQ ID NO: 22
301 <211> LENGTH: 64
302 <212> TYPE: DNA
303 <213> ORGANISM: Artificial sequence
305 <220> FEATURE:
306 <223> OTHER INFORMATION: Description of Artificial sequence: G8
307     synthetic oligonucleotide
309 <400> SEQUENCE: 22
310 ggagatctca ccacgaccc ataacttcgt atagtataca ttatacgaag ttattacgta 60
311 gcgc 64
314 <210> SEQ ID NO: 23
315 <211> LENGTH: 12
316 <212> TYPE: DNA
317 <213> ORGANISM: Artificial sequence
319 <220> FEATURE:
320 <223> OTHER INFORMATION: Description of Artificial sequence: G9
321     synthetic oligonucleotide
323 <400> SEQUENCE: 23
324 gatcttacgt aa 12
327 <210> SEQ ID NO: 24
328 <211> LENGTH: 42
329 <212> TYPE: DNA
330 <213> ORGANISM: Artificial sequence
332 <220> FEATURE:
333 <223> OTHER INFORMATION: Description of Artificial sequence: G10
334     synthetic oligonucleotide
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340 <210> SEQ ID NO: 25
341 <211> LENGTH: 42
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345 <220> FEATURE:
346 <223> OTHER INFORMATION: Description of Artificial sequence: G10
347     synthetic oligonucleotide
349 <400> SEQUENCE: 25

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VERIFICATION SUMMARY

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